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UNITED STATES PATENT AND TRADEMARK OFFICE

WILLIAM DELAPLAINE GREEN
APPLICATION NUMBER: 10637841
CONFIRMATION NUMBER: 3345
ART UNIT: 3747
FILING DATE: 08/08/03
EXAMINER: ALI, HYDER

COMMISSIONER FOR PATENTS
P.O. BOX 1450
ALEXANDRIA, VIRGINIA 22313-1450

REPLY TO OFFICE ACTION

CLAIMS REJECTED:

CLAIM 1: Examiner states: " As to Claim 1, Van Blaricom discloses a two cycle internal combustion engine having housing means to provide the necessary spaces in the engine, compressor means 14 to force combustible material into the engine, fuel injection means 18 to inject fuel into the engine for combustion, reciprocating means 1 to compress combustible material held within said housing means between the compressor means and the reciprocating means to cause detonation of said material, wherein the improvement comprises the compressor means can compress more combustible material to the combustion process after detonation commences."

Van Blaricom paragraph 10: " The compressed fuel/air mixture in the cylinder is fired by the spark plug as the piston nears the top-dead-center position in traveling upward. Crank inertia carries the piston past said top-dead-center position whereupon the piston is forced downward in the power stroke by pressure from the expanding gases. As the piston nears a position in traveling downward that is $\frac{3}{4}$ of the way from top-dead-position to bottom-dead-center position, it effects the opening of the exhaust ports to initiate the escape of said expanding gases. As the piston reached the bottom-dead-center position of its travel, with the exhaust ports now fully

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